

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1314005

Luminaire Tested: LDSQA3D20R359727D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314005  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359727D010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

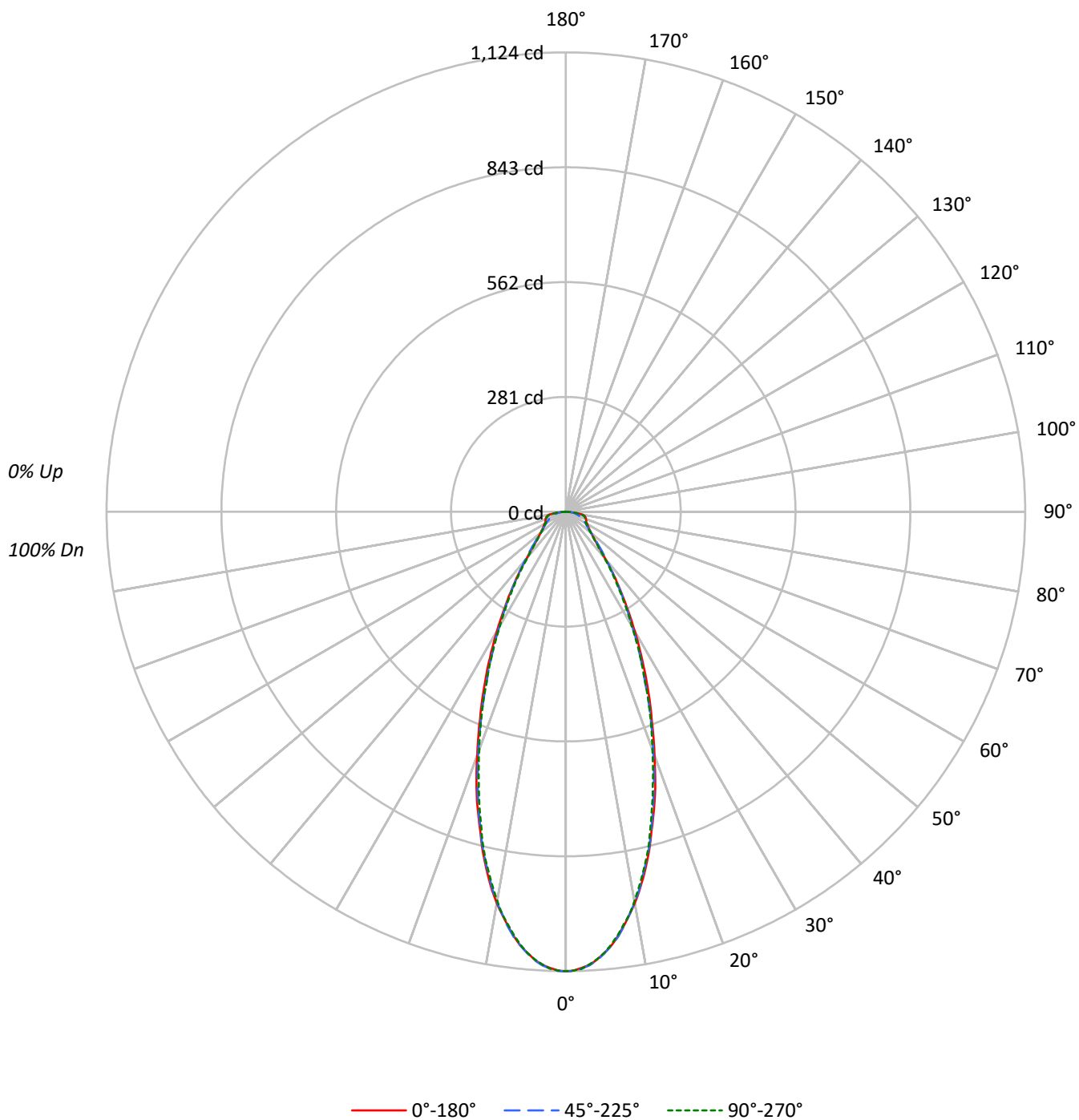
Lumens per Lamp: N/A  
Luminaire Lumens: 930.0 lumens  
Efficiency: N/A  
Efficacy: 32.3 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 99  | 96  |  | 97  | 95  | 93  |  | 94  |
| 2   | 104 | 98  | 92  | 88  | 101 | 96  | 91  | 87  | 92  | 88  | 85  |  | 89  | 86  | 83  |  | 86  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  |  | 82  | 78  | 75  |  | 80  |
| 4   | 92  | 82  | 75  | 70  | 90  | 81  | 75  | 70  | 79  | 73  | 69  |  | 77  | 72  | 68  |  | 75  |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 69  | 64  | 73  | 68  | 63  |  | 72  | 67  | 63  |  | 70  |
| 6   | 82  | 71  | 64  | 59  | 80  | 70  | 64  | 59  | 69  | 63  | 58  |  | 67  | 62  | 58  |  | 66  |
| 7   | 77  | 66  | 60  | 55  | 76  | 66  | 59  | 54  | 64  | 58  | 54  |  | 63  | 58  | 54  |  | 62  |
| 8   | 73  | 62  | 56  | 51  | 72  | 62  | 55  | 51  | 61  | 55  | 51  |  | 60  | 54  | 50  |  | 59  |
| 9   | 70  | 59  | 52  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 47  |  | 56  | 51  | 47  |  | 55  |
| 10  | 66  | 56  | 49  | 45  | 65  | 55  | 49  | 45  | 54  | 49  | 45  |  | 53  | 48  | 45  |  | 53  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 193578 | 193578 | 193578 |
| 5°  | 187230 | 187472 | 187230 |
| 10° | 170088 | 169843 | 169091 |
| 15° | 144386 | 143869 | 142621 |
| 20° | 116233 | 114675 | 113649 |
| 25° | 89845  | 87165  | 87165  |
| 30° | 66998  | 64751  | 64194  |
| 35° | 48209  | 47620  | 46422  |
| 40° | 33746  | 34690  | 32464  |
| 45° | 25160  | 26548  | 24478  |
| 50° | 21622  | 21622  | 21247  |
| 55° | 20418  | 19547  | 19967  |
| 60° | 20977  | 19013  | 19978  |
| 65° | 22495  | 19031  | 21924  |
| 70° | 26386  | 19940  | 25681  |
| 75° | 32938  | 20694  | 32007  |
| 80° | 42151  | 22514  | 37886  |
| 85° | 33593  | 22329  | 33593  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 42151 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 99.8   | 10.7      |
| 10°-20°   | 222.8  | 24.0      |
| 20°-30°   | 212.8  | 22.9      |
| 30°-40°   | 142.9  | 15.4      |
| 40°-50°   | 83.9   | 9.0       |
| 50°-60°   | 60.0   | 6.5       |
| 60°-70°   | 50.0   | 5.4       |
| 70°-80°   | 40.9   | 4.4       |
| 80°-90°   | 16.9   | 1.8       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 535.4  | 57.6      |
| 0°-40°    | 678.3  | 72.9      |
| 0°-60°    | 822.2  | 88.4      |
| 0°-90°    | 930.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 930.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1124 | 1124  | 1124 | 1124  | 1124 |      |
| 5°  | 1083 | 1086  | 1084 | 1083  | 1083 | 100  |
| 15° | 810  | 811   | 807  | 801   | 800  | 224  |
| 25° | 473  | 467   | 459  | 459   | 459  | 217  |
| 35° | 229  | 229   | 226  | 222   | 221  | 145  |
| 45° | 103  | 106   | 109  | 103   | 100  | 83   |
| 55° | 68   | 66    | 65   | 65    | 66   | 62   |
| 65° | 55   | 50    | 47   | 50    | 54   | 55   |
| 75° | 50   | 38    | 31   | 38    | 48   | 51   |
| 85° | 17   | 18    | 11   | 18    | 17   | 19   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1124.0 | 1124.0 | 1124.0 | 1124.0 | 1124.0 |
| 1°    | 1122.6 | 1124.0 | 1124.0 | 1122.6 | 1122.6 |
| 2°    | 1117.0 | 1119.8 | 1118.4 | 1117.0 | 1118.4 |
| 3°    | 1109.9 | 1112.7 | 1111.3 | 1109.9 | 1108.5 |
| 4°    | 1098.6 | 1101.4 | 1100.0 | 1097.1 | 1097.1 |
| 5°    | 1083.0 | 1085.8 | 1084.4 | 1083.0 | 1083.0 |
| 6°    | 1067.4 | 1070.2 | 1067.4 | 1064.6 | 1064.6 |
| 7°    | 1046.2 | 1050.4 | 1047.6 | 1044.8 | 1043.4 |
| 8°    | 1022.1 | 1026.4 | 1023.5 | 1022.1 | 1019.3 |
| 9°    | 998.0  | 1000.9 | 996.6  | 996.6  | 996.6  |
| 10°   | 972.6  | 974.0  | 971.2  | 966.9  | 966.9  |
| 11°   | 944.3  | 942.8  | 941.4  | 938.6  | 935.8  |
| 12°   | 913.1  | 913.1  | 908.9  | 906.0  | 904.6  |
| 13°   | 880.5  | 879.1  | 876.3  | 873.5  | 873.5  |
| 14°   | 846.6  | 846.6  | 843.7  | 838.1  | 839.5  |
| 15°   | 809.8  | 811.2  | 806.9  | 801.3  | 799.9  |
| 17.5° | 726.2  | 723.4  | 716.3  | 712.1  | 707.8  |
| 20°   | 634.2  | 632.8  | 625.7  | 621.5  | 620.1  |
| 22.5° | 549.3  | 547.9  | 540.8  | 536.5  | 539.4  |
| 25°   | 472.8  | 467.2  | 458.7  | 458.7  | 458.7  |
| 27.5° | 402.1  | 395.0  | 389.3  | 386.5  | 389.3  |
| 30°   | 336.9  | 331.3  | 325.6  | 324.2  | 322.8  |
| 32.5° | 278.9  | 276.1  | 273.2  | 269.0  | 269.0  |
| 35°   | 229.3  | 229.3  | 226.5  | 222.3  | 220.8  |
| 37.5° | 186.9  | 188.3  | 186.9  | 182.6  | 181.2  |
| 40°   | 150.1  | 152.9  | 154.3  | 150.1  | 144.4  |
| 42.5° | 123.2  | 127.4  | 130.2  | 123.2  | 118.9  |
| 45°   | 103.3  | 106.2  | 109.0  | 103.3  | 100.5  |
| 47.5° | 90.6   | 92.0   | 93.4   | 89.2   | 87.8   |
| 50°   | 80.7   | 80.7   | 80.7   | 79.3   | 79.3   |
| 52.5° | 73.6   | 73.6   | 72.2   | 70.8   | 70.8   |
| 55°   | 68.0   | 66.5   | 65.1   | 65.1   | 66.5   |
| 57.5° | 63.7   | 62.3   | 59.5   | 60.9   | 62.3   |
| 60°   | 60.9   | 58.0   | 55.2   | 56.6   | 58.0   |
| 62.5° | 56.6   | 53.8   | 51.0   | 52.4   | 55.2   |
| 65°   | 55.2   | 49.5   | 46.7   | 49.5   | 53.8   |
| 67.5° | 53.8   | 46.7   | 42.5   | 46.7   | 52.4   |
| 70°   | 52.4   | 43.9   | 39.6   | 43.9   | 51.0   |
| 72.5° | 51.0   | 41.1   | 35.4   | 41.1   | 49.5   |
| 75°   | 49.5   | 38.2   | 31.1   | 38.2   | 48.1   |
| 77.5° | 46.7   | 35.4   | 26.9   | 35.4   | 43.9   |
| 80°   | 42.5   | 32.6   | 22.7   | 31.1   | 38.2   |
| 82.5° | 31.1   | 26.9   | 18.4   | 26.9   | 28.3   |
| 85°   | 17.0   | 18.4   | 11.3   | 18.4   | 17.0   |
| 87.5° | 1.4    | 2.8    | 2.8    | 8.5    | 5.7    |



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**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)